ASSIGNMENT (CHAPTER 4)

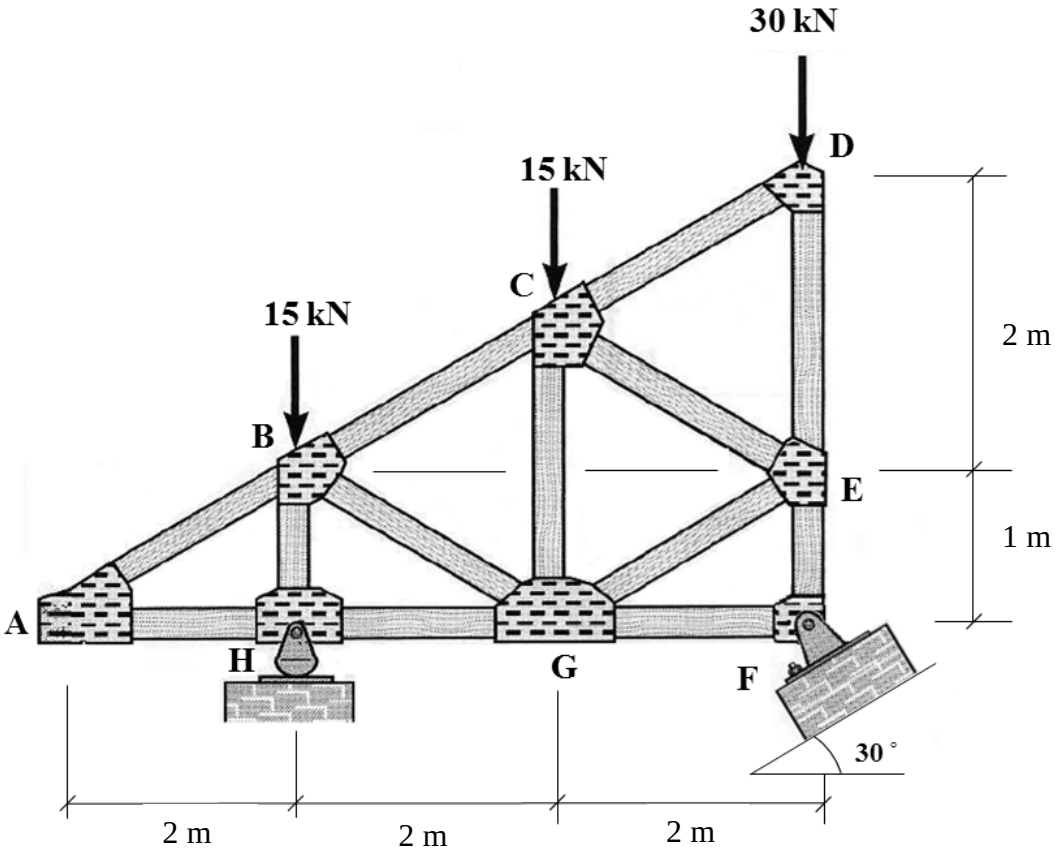

Figure Q3

A 2-dimension truss as shown in **Figure Q3** carried three concentrated loads 15 kN, 15 kN and 30 kN at joint B, C and D, respectively. This 2-dimension truss is supported by pinned at F with incline surface with 30˚ and rocker at H. The truss was constructed using same steel section and material.

a) Using **method of joint**, determine the force in each member of the truss and state whether it is in compression and tension.

b) Countercheck the force in members BC, BG and HG using **method of section**.